



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/699,503	10/31/2000	David C. Cushing	2566-106	1384

6449 7590 02/11/2003

ROTHWELL, FIGG, ERNST & MANBECK, P.C.
1425 K STREET, N.W.
SUITE 800
WASHINGTON, DC 20005

EXAMINER

AKERS, GEOFFREY R

ART UNIT

PAPER NUMBER

3624

DATE MAILED: 02/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<i>Office Action Summary</i>	Application	Applicant(s)	<i>Cushing</i>
	<i>09/699503</i>	Examiner	
	<i>Alex, G</i>		<i>3624</i>
		Confirmation No.	

- The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address -

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

Responsive to communication(s) filed on 10/31/00

This action is FINAL. This action is non-final.

Since this application is in condition for allowance except for the formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

Claim(s) 1 - 16 is/are pending in this application.

Of the above claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1 - 16 is/are rejected.

Claim(s) _____ is/are objected to.

Claim(s) _____ are subject to restriction or election requirement.

Application Papers

The proposed drawing correction, filed on _____ is approved or disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.

The drawing(s) filed on _____ is/are accepted or objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d) or (f).

All Some* None of the:

Certified copies of the priority documents have been received.

Certified copies of the priority documents have been received in Application No. _____.

Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received:

Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). The translation of the foreign language provisional application has been received.

Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

Information Disclosure Statement(s), PTO-1449, Paper No(s) 7 Interview Summary, PTO-413

Notice of References Cited, PTO-892 Notice of Informal Patent Application, PTO-152

Notice of Draftsperson's Patent Drawing Review, PTO-948 Other _____

Art Unit: 3624

DETAILED ACTION

1. Claims 1-16 have been examined.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-16 are rejected under 35 USC 103(a) Keiser(US Pat. No: 6,505,174) in view of Varma(US Pat. No: 6,349,291).

4. As per claims 1-16 Keiser teaches a system for executing trades according to trading strategies(Abstract)(Fig 2-4) where the servers are connected to a plurality of clients over the Internet(Fig 1).Keiser also teaches trading securities over the day(Fig 3/302) as well as setting prices of securities(Fig 4/408) and setting timed buy/sell orders(Fig 5/502/504) and determining price movement as well as controlling the number of buy and sell orders in the queue(Fig 6/606) as well as limit pricing(Fig 11).Varma teaches partitioning the day into sample sets(Fig 14/1410).It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Keiser in view of Varma to teach the above.The motivation to combine is to teach a computer implemented securities trading system with algorithmic functions and which

Art Unit: 3624

can be modified to utilize financial data that has been statistically processed to propel the trading method as enunciated by Varma(col 1 lines 61-65).

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1-16 are further rejected under 35 USC 112(2nd) for failing to point out and distinctly claim what applicant regards is the invention. The subject claims are overly broad and should be narrowed to more definitively delineate the conception.

Conclusion

7 **THIS ACTION IS MADE NON-FINAL.**

8. Any questions concerning this communication should be addressed to the examiner of record, Dr. Geoffrey Akers, P.E., who can be reached between 6:30 AM and 5:00 PM Monday through Friday at 703-306-5844. If attempts to contact the examiner are unsuccessful, the examiner's superior, Mr. Vincent Millin, SPE, may be telephoned at (703)-308-1065.

The fax number for Formal or Official faxes and Draft or Informal faxes to Technology Center 3600 or this Art Unit is (703)-308-3687.

GRA


February 6, 2003